

(11) Publication number:

112

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **10253760**

(51) Intl. Cl.: **H04N 5/74** G02F 1/13 G02F 1 21/00 G03B 33/12 G09F 9/00:

08.09.98 (22) Application date:

(30) Priority:

18.09.9719.12.97 JPJP

0925315409350450

(43) Date of application

publication:

31.08.99

(84) Designated contracting

states:

(71) Applicant: MATSUSHITA ELECTR

LTD

(72) Inventor: YAMAGISHI NARUMAS

HATAYAMA ATSUSHI

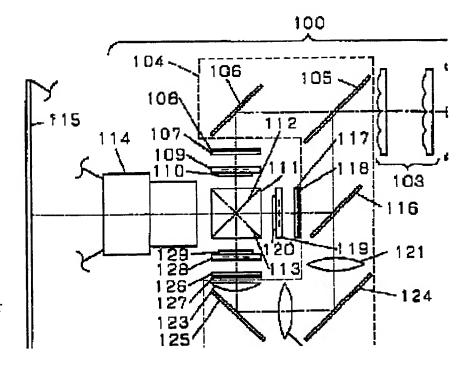
(74) Representative:

(54) PROJECTION IMAGE **DISPLAY DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a 3-LED projection image display device by which a color slurring due to a difference from incident angles to a dichroic mirror is eliminated and where no deterioration is caused in the light efficiency.

SOLUTION: The projection image display device is made up of a color light separate means that separates light from a light source section 101 into red, blue and green lights, a modulation means that modulates each separated color light, and a projection optical system 114 that projects the modulated luminous flux onto a screen 115 with magnification. The color light separate means has a dichroic mirror 105 that transmits the blue color light and reflects the green color



light, a blue color light modulation means 109 uses a P polarized component of the transmitted blue color light and a green color light modulation means 119 uses an S polarized component of the reflected green color light.

COPYRIGHT: (C)1999,JPO



122